



# COMMONWEALTH of VIRGINIA

## DEPARTMENT OF FORENSIC SCIENCE

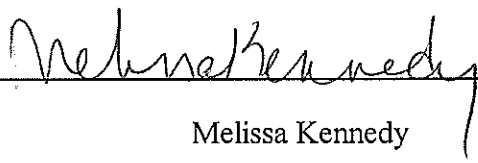
CENTRAL LABORATORY  
A Nationally Accredited Laboratory

700 NORTH 5TH STREET  
RICHMOND, VIRGINIA 23219  
(804) 786-6971

### CERTIFICATE OF INSTRUMENT ACCURACY

INSTRUMENT: Intox EC/IR II  
SERIAL NUMBER: 010536  
CERTIFICATION DATE: September 25, 2013  
DATE RECERTIFICATION DUE: March 24, 2014

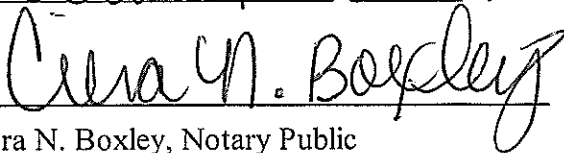
The above listed instrument was found to meet all requirements for accuracy and performance established by the Department of Forensic Science. This certification is valid from the above listed certification date until the above listed date for recertification.

  
Melissa Kennedy

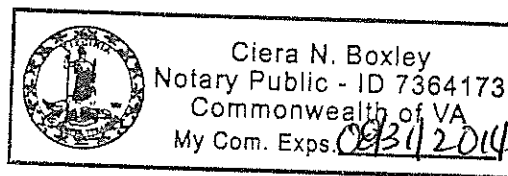
Program Manager, Calibration & Training

CITY OF RICHMOND  
COMMONWEALTH OF VIRGINIA

The foregoing was acknowledged before me this 4th day of October, 2013 by Melissa Kennedy

  
Ciera N. Boxley, Notary Public

My commission expires: August 31, 2014



**Department of Forensic Science  
Breath Alcohol Section  
Instrument Maintenance History  
1/1/1990 To 9/27/2013**

*HMS  
NMJ*

**Instrument Serial Number: 010536**

**As of 27-Sep-13**

<b>Maintenance</b>	<b>Certification</b>	<b>Technician</b>	
<b>Date</b>	<b>Date</b>	<b>Initials</b>	<b>Remarks</b>
25-Sep-13	25-Sep-13	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED.
16-Apr-13	16-Apr-13	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
06-Nov-12	06-Nov-12	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CALIBRATED AND CERTIFIED, REPLACED DRY GAS STANDARD.
31-May-12	31-May-12	HMS (18910)	CERTIFIED, REPLACED DRY GAS STANDARD.
08-Dec-11	08-Dec-11	HMS (18910)	CERTIFIED
23-Jun-11	23-Jun-11	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
19-Jan-11	19-Jan-11	HMS (18910)	CERTIFIED
03-Aug-10	03-Aug-10	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
24-Feb-10	24-Feb-10	HMS (18910)	REPLACED DRY GAS STANDARD, CERTIFIED
11-Sep-09	11-Sep-09	HMS (18910)	CERTIFIED.
01-Apr-09	01-Apr-09	HMS (18910)	FIRMWARE/SOFTWARE UPGRADE, CERTIFIED.
29-Oct-08	29-Oct-08	HMS (18910)	CERTIFIED.
03-Oct-08	03-Oct-08	NMJ (22392)	CALIBRATED, CERTIFIED AND ACCEPTED.

**INTOX EC/IR II**  
**Quality Assurance Worksheet**

*Handwritten:* HMB  
WSK

Instrument Serial Number **010536** Worksheet Start Date **9/25/2013**

Location **Bristol Police Department**

Address **415 Cumberland St., Bristol, VA 24201**

DFS Technician **Heather Stanton** License No. **18910**

☐ Laboratory ☒ On-Site

**Site Specifications**

Yes No

**1 Secured Environment:**

Location must not be accessible to the general public.



**2 Environment free from contaminants**



**3 Dedicated telephone line:**

The phone line should be used solely by the instrument.



**4 Adequate Ventilation:**

Enough space must be provided for the instrument and the printer to allow for adequate ventilation.



**5 Stable temperature controls:**

The instrument should not be exposed to direct sources of temperature variation.



**6 115VAC power source:**

Whenever possible instrument power circuit should not be shared with refrigerators, copy machines or other high amperage devices.



**7 Room Condition:**

The site should be free of excessive moisture, heat and dust.



E-Seek	Old serial no.	New serial no.	Supplies	
Keyboard			Mouthpieces	
Printer			Certificates of Analysis	
UPS			Operator Worksheet	
			Other:	2 pads

Maintenance (if any)

Firmware/software upgrade.

Comments (if any)

Instrument Serial Number 010536

Certification Date 9/25/2013

Instrument Barometer (mm HG) 714

Reference Barometer (mm HG) 716

Reference Barometer(RB)Serial # 009113

RB Calibration Due 5/8/2014

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.233
0.250	0.235	0.227	0.242	Sample 2	0.233
Precision		sample min	sample max	Sample 3	0.233
0		0.233	0.233		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.142
0.150	0.141	0.136	0.145	Sample 2	0.142
Precision		sample min	sample max	Sample 3	0.142
0		0.142	0.142		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.075
0.080	0.075	0.072	0.078	Sample 2	0.075
Precision		sample min	sample max	Sample 3	0.075
0		0.075	0.075		

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.018
0.020	0.019	0.016	0.022	Sample 2	0.018
Precision		sample min	sample max	Sample 3	0.018
0		0.018	0.018		

all measurements are in g/210L

Estimation of Uncertainty of Measurement and traceability records are located within the Breath Alcohol Section

☒ Calibrated☒ Certified☐ Replaced dry gas standard (+O-ring)

Dry gas standard Lot No. (with tank no.)

AG226201-28

☒ Measurement Assurance Check☒ Run a Breath Test (Instrument Test)

(successful completion denotes satisfactory condition of the item)

Standard (sea level)	PA Target	minimum	maximum	Sample 1	0.094
0.100	0.094	0.091	0.097	Sample 2	0.094
Precision		sample min	sample max	Sample 3	0.095
0.001		0.094	0.095		

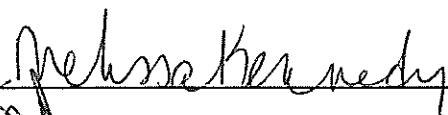
DFS Technician



Date

9/27/13

Issuing Analyst



Date

9/30/13

Intox EC/IR II QA Worksheet  
Issued by Calibration and Training Program Manager  
Issue Date: 4-March-2013

DFS Document 250-F113  
Revision 6  
Page 2 of 2



COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

*Handwritten initials/signature*

NAME OF ACCUSED	NAME OF COURT
INSTRUMENT, TEST,	DFS

BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY		AGENCY
STANTON, HEATHER, M		DFS Central Lab
DFS LICENSE NUMBER	LICENSE EXPIRES	DATE TEST CONDUCTED
18910	10/01/2014	09/25/2013
TEST EQUIPMENT NUMBER		
010536		

RESULTS: TIME SAMPLE TAKEN 12:03 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_\_.

BREATH TEST OPERATOR
----------------------

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_  
SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_  
OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 25 Sep 2013 at 12:28

Ed  
AMS  
MSK

## Test Results

Instrument Serial Number 010536

Test # 000580 Subject Test

Test Location 1 Department of  
Test Date 25 Sep 2013

Test Location 2 Forensic Science

Test Time 11:57

Remote/Local Local

Test Location 3

System Check Passed

Operator's Last Name STANTON

Agency DFS Central Lab

Card Serial Number 118910

Subject's Last Name INSTRUMENT

Subject's Middle Initial

Driver's License Number

Driver's License State

End Date 25 Sep 2013

End Time 12:04

Data Type DIAG

Data Type BLK

Data Type CHK

Data Type BLK

Data Type SUBJ

Data Type BLK

Data Type SUBJ

Data Type BLK

Standard Type Dry Gas Std

Standard Lot Number AG226201-28

Tank Pressure 1110

Blow Sample Number 1

Blow Duration 3.33 sec

Blow Sample Number 2

Blow Duration 3.50 sec

Tamper Evident Stamp 68f4ce4e

Test Status Success

Operator's First Name HEATHER

License Number 18910

Effective Date 10/01/2012

Subject's Date of Birth 00/00/0000

Subject's First Name TEST

Expiration Date 10/01/2014

Subject's Sex Male

Driver's License Expiration 00/00/0000

Court Name DFS

Result Date 25 Sep 2013

Result 0.00

Sample Value Pass

Sample Time 11:57

Sample Value 0.000

Sample Time 11:58

Sample Value 0.096

Sample Time 11:58

Sample Value 0.000

Sample Time 12:00

Sample Value 0.000

Sample Time 12:00

Sample Value 0.000

Sample Time 12:01

Sample Value 0.000

Sample Time 12:03

Sample Value 0.000

Sample Time 12:04

Standard Value 0.094

Standard Expiration Date 09/18/2014

Barometric Pressure 714 mmHg

Blow Volume 1720 cc

End-of-Blow Time 12:00

Blow Volume 1719 cc

End-of-Blow Time 12:03

Test Status Code 0

AMS  
N/A

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010536      Test Number: 581

Test Date: 09/25/2013      Test Time: 12:06 EDT

Dry Gas Target: 0.094

Lot Number: AG226201-28      Exp Date: 09/18/2014

Tank Pressure: 1105 psi      Barometric Pressure: 714 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:06
CHK	0.095	12:07
BLK	0.000	12:09
CHK	0.095	12:10
BLK	0.000	12:11
CHK	0.095	12:12

Test Status: *Success*

Calibration CRC: 00DCB044

AMS  
WLL

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010536      Test Number: 582

Test Date: 09/25/2013      Test Time: 12:14 EDT

Dry Gas Target: 0.282

Lot Number: AG322702-02      Exp Date: 08/15/2015

Tank Pressure: 306 psi      Barometric Pressure: 714 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:15
CHK	0.284	12:16
BLK	0.000	12:17
CHK	0.284	12:18
BLK	0.000	12:20
CHK	0.283	12:21

Test Status: *Success*

Calibration CRC: 00DCB044



AMS  
NLS

**Intox EC/IR-II: Software Version**

*Department of Forensic Science*

Serial Number: 010536

System Date: 09/25/2013

System Time: 12:44 EDT

Software Version: VS00333-K

Software CRC: 56745BCA

Firmware Version: VS00171-CL

Firmware CRC: 7107756B

HMS  
MSL

**Intox EC/IR-II: Calibration**

*Department of Forensic Science*

Serial Number: 010536      Test Number: 583

Test Date: 09/25/2013      Test Time: 12:46 EDT

Dry Gas Target: 0.094

Lot Number: 0651210013-06      Exp Date: 04/01/2014

Tank Pressure: 708 psi      Barometric Pressure: 714 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	12:47
CAL	0.094	12:48

Test Status: *Success*

Calibration CRC: 0C69D8CF

*Handwritten initials/signature*

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010536    Test Number: 584  
Test Date: 09/25/2013    Test Time: 12:50 EDT

Technician Initials: HMS

Dry Gas Target: 0.235

Lot Number: 2961225012-08    Exp Date: 11/01/2014

Tank Pressure: 669 psi    Barometric Pressure: 714 mmHg

System Check: Passed

Test	g/210L	Time
DIAG	Pass	12:51
BLK	0.000	12:52
CHK	0.233	12:52
BLK	0.000	12:54
CHK	0.233	12:55
BLK	0.000	12:56
CHK	0.233	12:57
BLK	0.000	12:58

**Success**

Standard Value (at sea level): 0.250 g/210L

Certification Status: Continued

*HMS*  
*nmk*

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010536      Test Number: 585

Test Date: 09/25/2013      Test Time: 13:01 EDT

Technician Initials: *HMS*

Dry Gas Target: 0.141

Lot Number: 0771315013-04      Exp Date: 05/01/2015

Tank Pressure: 169 psi      Barometric Pressure: 714 mmHg

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	13:01
BLK	0.000	13:02
CHK	0.142	13:02
BLK	0.000	13:04
CHK	0.142	13:05
BLK	0.000	13:06
CHK	0.142	13:07
BLK	0.000	13:08

**Success**

Standard Value (at sea level): 0.150 g/210L

Certification Status: Continued

*HMS*  
*msk*

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010536      Test Number: 586  
Test Date: 09/25/2013      Test Time: 13:09 EDT

Technician Initials: *HMS*

Dry Gas Target: 0.075

Lot Number: 0651208012-04      Exp Date: 04/01/2014

Tank Pressure: 174 psi      Barometric Pressure: 713 mmHg

System Check: *Passed*

Test	g/210L	Time
DIAG	Pass	13:10
BLK	0.000	13:11
CHK	0.075	13:11
BLK	0.000	13:12
CHK	0.075	13:13
BLK	0.000	13:14
CHK	0.075	13:15
BLK	0.000	13:16

**Success**

Standard Value (at sea level): 0.080 g/210L

Certification Status: Continued

Handwritten initials: HMS and WSK

**Intox EC/IR-II: Certification**

*Department of Forensic Science*

Serial Number: 010536      Test Number: 587  
Test Date: 09/25/2013      Test Time: 13:20 EDT

Technician Initials: HMS

Dry Gas Target: 0.019

Lot Number: 0651202011-03      Exp Date: 04/01/2014

Tank Pressure: 257 psi      Barometric Pressure: 713 mmHg  
System Check: Passed

Test	g/210L	Time
DIAG	Pass	13:21
BLK	0.000	13:21
CHK	0.018	13:22
BLK	0.000	13:23
CHK	0.018	13:24
BLK	0.000	13:25
CHK	0.018	13:26
BLK	0.000	13:27

**Success**

Standard Value (at sea level): 0.020 g/210L

Certification Status: Success

AMS  
MSK

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010536      Test Number: 588

Test Date: 09/25/2013      Test Time: 13:30 EDT

Dry Gas Target: 0.281

Lot Number: AG322702-02      Exp Date: 08/15/2015

Tank Pressure: 301 psi      Barometric Pressure: 713 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:30
CHK	0.284	13:31
BLK	0.000	13:33
CHK	0.284	13:33
BLK	0.000	13:35
CHK	0.283	13:36

Test Status: *Success*

Calibration CRC: 0C69D8CF

Handwritten initials/signature in the top right corner.

**Intox EC/IR-II: Accuracy Check**

*Department of Forensic Science*

Serial Number: 010536      Test Number: 589

Test Date: 09/25/2013      Test Time: 13:38 EDT

Dry Gas Target: 0.094

Lot Number: AG226201-28      Exp Date: 09/18/2014

Tank Pressure: 1080 psi      Barometric Pressure: 713 mmHg

System Check: *Passed*

Test	g/210L	Time
BLK	0.000	13:39
CHK	0.094	13:39
BLK	0.000	13:41
CHK	0.094	13:42
BLK	0.000	13:43
CHK	0.095	13:44

Test Status: *Success*

Calibration CRC: 0C69D8CF






COMMONWEALTH OF VIRGINIA  
DEPARTMENT OF FORENSIC SCIENCE

CERTIFICATE OF BLOOD ALCOHOL ANALYSIS  
AS DETERMINED BY A CHEMICAL TEST OF THE ACCUSED'S BREATH

lms  
msk

NAME OF ACCUSED  INSTRUMENT, TEST,	NAME OF COURT  DFS
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BREATH ANALYSIS

SAMPLE EXAMINED AND TEST CONDUCTED BY  STANTON, HEATHER, M		AGENCY  DFS Central Lab
DFS LICENSE NUMBER  18910	LICENSE EXPIRES  10/01/2014	DATE TEST CONDUCTED  09/25/2013
TEST EQUIPMENT NUMBER  010536		

RESULTS: TIME SAMPLE TAKEN 13:51 EDT

SAMPLE'S ALCOHOL CONTENT 0.00 GRAMS PER 210 LITERS OF BREATH

ATTEST:

I CERTIFY THAT THE ABOVE IS AN ACCURATE RECORD OF THE TEST CONDUCTED; THAT THE TEST WAS CONDUCTED WITH THE TYPE OF EQUIPMENT AND IN ACCORDANCE WITH THE METHODS APPROVED BY THE DEPARTMENT OF FORENSIC SCIENCE; THAT THE TEST WAS CONDUCTED IN ACCORDANCE WITH THE DEPARTMENT'S SPECIFICATIONS; THAT PRIOR TO ADMINISTRATION OF THE TEST THE ACCUSED WAS ADVISED OF HIS RIGHT TO OBSERVE THE PROCESS AND SEE THE BLOOD ALCOHOL READING ON THE EQUIPMENT USED TO PERFORM THE BREATH TEST, AND THAT I POSSESS A VALID LICENSE TO CONDUCT SUCH TEST, GIVEN UNDER MY HAND THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20 \_\_\_\_\_.

BREATH TEST OPERATOR
----------------------

☐ I HAVE RECEIVED A COPY OF THIS CERTIFICATE OF ANALYSIS \_\_\_\_\_ SUBJECT'S SIGNATURE

☐ SUBJECT REFUSED TO SIGN FOR COPY OF CERTIFICATE OF ANALYSIS \_\_\_\_\_ OPERATOR'S SIGNATURE



# IntoxNet MIS Report

Report Generated 27 Sep 2013 at 08:51

*Handwritten initials: HNS, MSK*

## Test Results

Instrument Serial Number 010536

Test # 000590 Subject Test

Test Location 1 Department of  
Test Date 25 Sep 2013

Test Location 2 Forensic Science  
Test Time 13:45  
Remote/Local Local

Test Location 3  
System Check Passed

Operator's Last Name STANTON  
Agency DFS Central Lab

Operator's First Name HEATHER

Operator's Middle Initial M

Card Serial Number 118910

License Number 18910

Effective Date 10/01/2012

Expiration Date 10/01/2014

Subject's Last Name INSTRUMENT

Subject's First Name TEST

Subject's Middle Initial

Subject's Date of Birth 00/00/0000

Subject's Sex Male

Driver's License Number

Driver's License Expiration 00/00/0000

Driver's License State

Court Name DFS

End Date 25 Sep 2013 End Time 13:53

Result Time 13:51

Result Date 25 Sep 2013

Result 0.00

Data Type DIAG

Sample Value Pass

Sample Time 13:46

Data Type BLK

Sample Value 0.000

Sample Time 13:46

Data Type CHK

Sample Value 0.094

Sample Time 13:47

Data Type BLK

Sample Value 0.000

Sample Time 13:48

Data Type SUBJ

Sample Value 0.000

Sample Time 13:49

Data Type BLK

Sample Value 0.000

Sample Time 13:50

Data Type SUBJ

Sample Value 0.000

Sample Time 13:51

Data Type BLK

Sample Value 0.000

Sample Time 13:52

Standard Type Dry Gas Std

Standard Value 0.094

Standard Lot Number AG226201-28

Standard Expiration Date 09/18/2014

Tank Pressure 1071

Barometric Pressure 713 mmHg

Blow Sample Number 1 Blow Duration 3.53 sec

Blow Volume 1772 cc End-of-Blow Time 13:49

Blow Sample Number 2 Blow Duration 3.34 sec

Blow Volume 1714 cc End-of-Blow Time 13:51

Tamper Evident Stamp a484680a

Test Status Code 0

Test Status Success